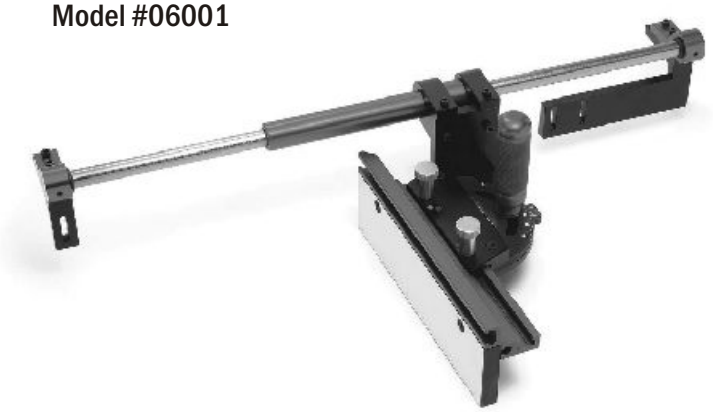
Note: Rockler may not carry all products and/or sizes listed in this vendor's publication

Mite-R-Slide

24416

User Manual

Model #06001



JessEm Tool Company

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Thank you for choosing this product from JessEm Tool Company. We appreciate your support and hope that our product serves you well. This product is designed to provide many years of reliable service provided it is used as intended and taken care of.

This user manual will assist you in assembly and general operation of this product. It is not our intent to teach you about woodworking. It is assumed that you are an experienced woodworker with the basic skills and experience necessary to use this product safely. If after reading the following instructions, if you are unsure or uncomfortable about safely using this product we urge you to seek additional information through widely available woodworking books or classes.

IMPORTANT!
Read and understand the contents of this manual before assembly or operation of this product.

As part of our Continuous Product Improvement Policy, JessEm products are always advancing in design and function. Therefore there may be differences between what is shown in our catalogs, website or at retail display and what is sold at time of purchase. We reserve the right to make positive changes to our products at our discretion.

Suggested Router Bit Speeds

Bit Diameter	Max. Speed
1” (25mm)	24,000 RPM
1-1/4” - 2” (30-50mm)	18,000 RPM
2-1/4” - 2-1/2” (55-65mm)	16,000 RPM
3” - 3-1/2” (75-90mm)	12,000 RPM

The Mite-R-Slide is designed to fit the JessEm Mast-R-Fence only.

We do not recommend or support the application of our Mite-R-Slide to other commercial or custom made fences and therefore will not commit to resolving any issues for applications other than our Mast-R-Fence model #04001.

RTD10000136AA

IMPORTANT SAFETY PRECAUTIONS

- Before operating any machinery or power tool, read and understand all safety instructions in the owner's manual for the tool or machine.
- If you do not have a manual, contact the manufacturer and obtain one before using any tool or machine.
- Always wear eye protection in compliance with ANSI safety standards when operating any power tools or machinery.
- Always use proper guards and safety devices when operating power tools and machinery.
- Carefully check router bits before each use. Do not use if damage or defect is suspected.
- Do not exceed the recommended RPM for any router bit.
- Do not wear loose clothing or jewelry that may catch on tools, machinery or equipment.
- Unplug the tool or machine when mounting or making any adjustments to mechanical performance.

ROUTING SAFETY PRECAUTIONS

- **Always make sure the fence on your router table is locked firmly into position before each use.**
- Never force the bit or overload the router beyond the expectations of the tool.
- Be sure that at least 3/4 of the shank length is inserted securely in the router collet.
- Never bottom out the bit in the collet. Allow 1/8" clearance between bottom of shank and bottom of collet.
- Always rout in two or more passes when large amounts of stock must be removed.
- Use reduced RPM speeds for larger diameter router bits.

IMPORTANT RECOMMENDATIONS FOR USING YOUR JESSEM MITE-R-SLIDE

The Sub-Fence (or white face) on the Miter Fence is made of solid phenolic. Phenolic is a synthetic material offering superior strength and stability. We recommend that you do not cut into the phenolic sub-fence as the material is very hard and abrasive to carbide cutting tools.

It is best to remove the phenolic sub-fence and use it as a template to create your own sacrificial sub-fences from MDF or Plywood. Working with a sacrificial backer board will help reduce chipping or tear-out of the wood fibers on the back end of the workpiece.

Make sure the under carriage of the Mite-R-Slide will clear the cutter and all knobs are tightened and secure before each use.

JESSEM TOOL LIMITED WARRANTY

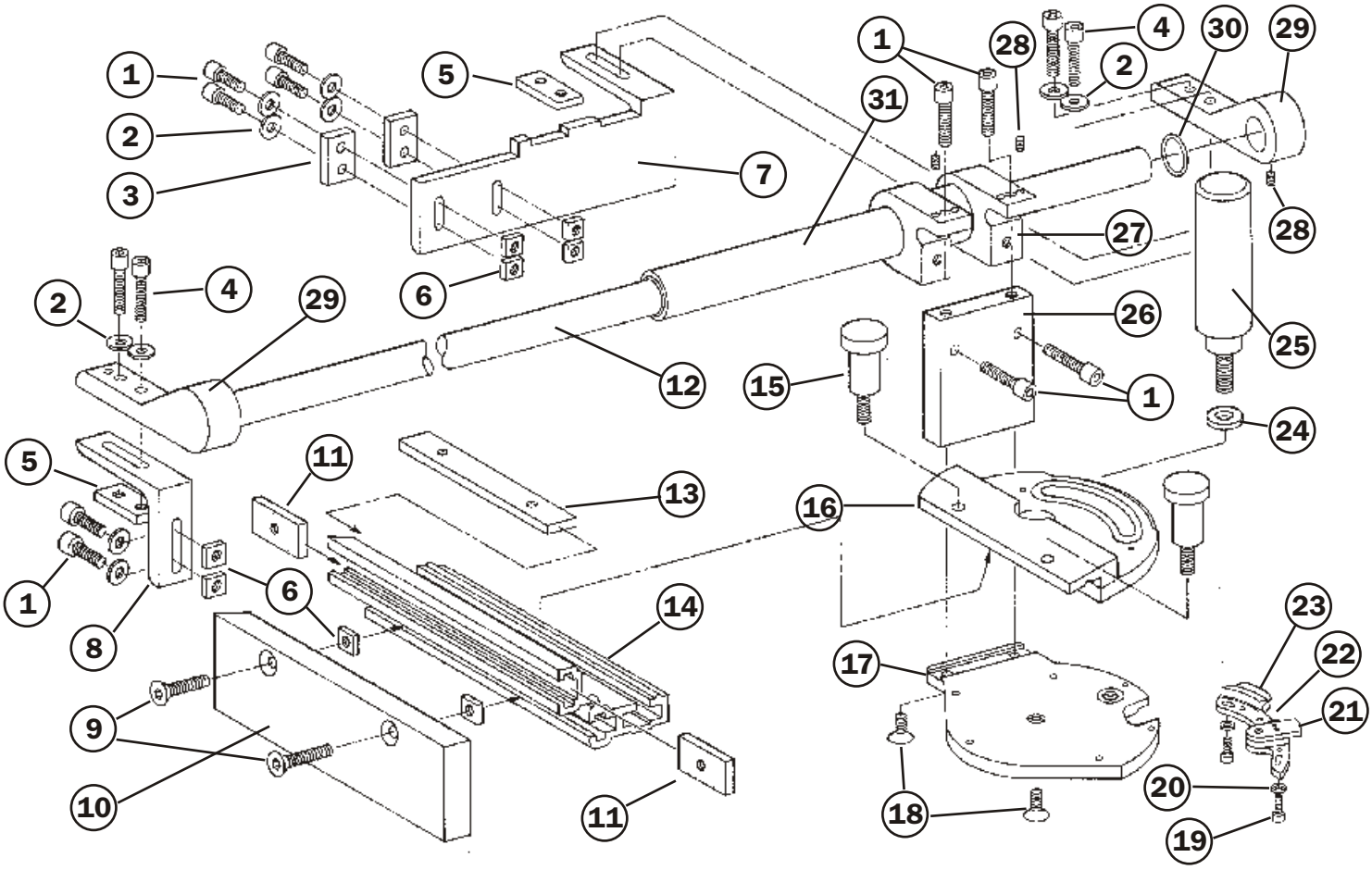
All JessEm products are warranted to be free from defects in material and workmanship. JessEm will repair or replace any product which upon inspection proves to be defective for a period of (1) year from dated receipt and proof of purchase. All warranty claims should be made direct to JessEm Tool Company. Contact JessEm for a warranty claim return authorization and instructions to proceed. The consumer is responsible for shipping costs to return product to JessEm Tool Company. We will repair or replace the product at our discretion and JessEm Tool will return shipment to you at no charge.

WARRANTY LIMITATIONS

This warranty does not cover:

- Repairs or alterations made or attempted by anyone other than JessEm Tool Company or an authorized JessEm service professional.
- Normal wear and tear
- Abuse, misuse or neglect.
- Improper care or maintenance.
- Continued use after partial failure.
- Products that have been modified in any way.
- Products used with improper accessories.
- Premature thread wear due to adjusting height with electric or cordless drill.

MITE-R-SLIDE PARTS DIAGRAM



ITEM	PART #	DESCRIPTION	QTY.
1	*F0004	1/4" x 20 x 1" Socket Cap Screw	10
2	*F0037	1/4" Flat Washer	10
3	*S0014	Fence Clamping Spacers	3
4	*F0007	1/4" x 20 x 1-1/4" Socket Cap Screw	4
5	*S0005-7	Tapped Mounting Block	2
6	*F0028	1/4"-20 Square Nuts	8
		*(6 PCS. #F0028 IN PARTS BAG)	
7	E0061-2	Fence Clamping Bracket-Large	1
8	E0061-1	Fence Clamping Bracket-Small	1
9	F0001	1/4"-20 x 3/4" Flat Head Cap Screw	2
10	M0054-4	Phenolic Sub-Fence	1
11	*S0014	3/4" x 1-1/2" Fence T-Nut	2
12	S0013-1	Chrome Plated Steel Shaft	1
13	S005-4	Miter Fence Mounting Bar	1
14	E0056	Miter Fence	1
15	*S0010-4	Fence Adjustment Knob (Brass)	2

ITEM	PART #	DESCRIPTION	QTY.
16	E0059-1	Miter Gauge Top Plate	1
17	E0059-2	Miter Gauge Base Plate	1
18	F0001	1/4"-20 x 3/4" Flat Head Cap Screw	5
19	F0108	6/32 x 3/8" Socket Head Cap Screw	2
20	F0107	#6 Flat Washer	2
21	S0015-1	Detents On/Off Switch	1
22	S0017	Detent Track	1
23	S0016	Detent Gauge	1
24	*S0010-3	Brass Washer	1
25	E0054-2	Knurled Handle	1
26	E0069-1	Miter Gauge Upright Bracket	1
27	E0062-1	Bearing Tube Mounting Bracket	2
28	F0109	6/32-1/4" Cup Point Set Screw	4
29	E0001-11	Shaft Mounting Bracket	2
30	F0096	3/4" O-Ring	2
31	E0054-3	Bearing Tube	2

* Indicates Items In Separate Parts Bag Needed For Assembly

FIG. 1

ASSEMBLING THE MITER GAUGE

1. Remove the 3/8" shipping bolt from the miter gauge (Fig. 1).

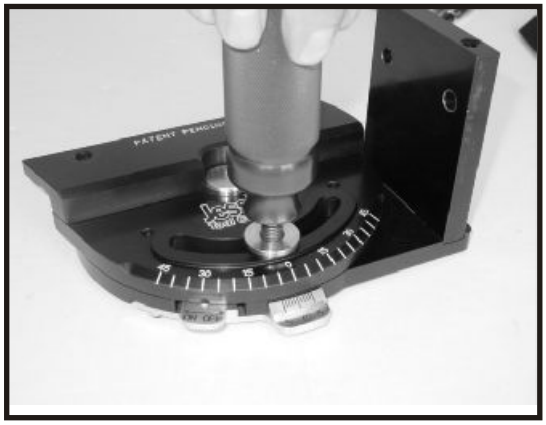


FIG. 2

2. Install the 1" brass washer (from the parts bag) over the stud on the miter gauge knurled handle and thread the handle with the washer into the assembly and lightly tighten (Fig. 2).

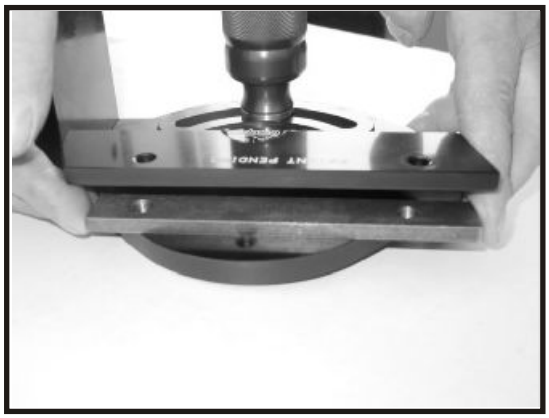


FIG. 3

3. Take the Miter Fence Mounting Bar (Item 13 on the parts diagram - page 3) and slide it in between the miter gauge top plate and the gauge base plate until the 1/4" threaded holes line up. (Fig. 3)

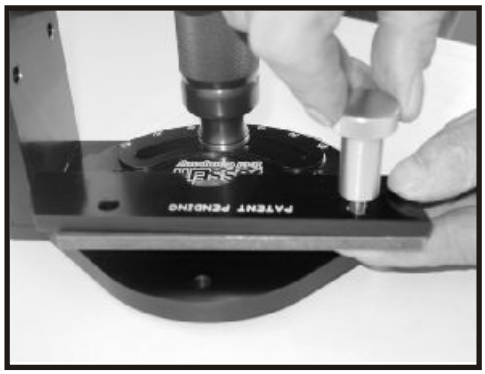


FIG. 4

4. Assemble the two brass fence adjustment knobs (from the parts bag) through the top of the Miter Gauge and into the threaded holes in the fence mounting bar. Start the knobs into the holes two to three turns only (Fig. 4).

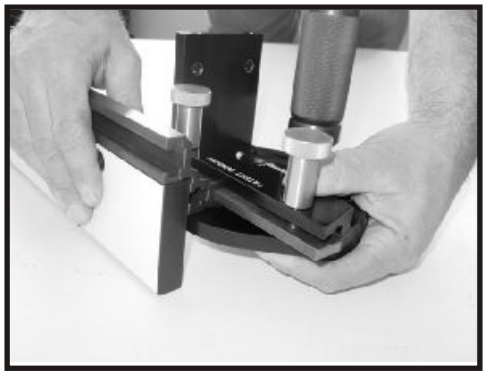


FIG. 5

5. Now attach the fence to the gauge assembly by sliding the fence clamping bar into the matching slot machined into the fence extrusion (Fig. 5). Center the miter gauge assembly to the fence extrusion and lightly tighten the two brass fence adjustment knobs.

FIG. 6

MOUNTING THE MITER GAUGE TO THE BAR

6. You must now mount the miter gauge assembly to the bearing tube mounting brackets on the shaft. From the parts bag take four of the 1/4-20 x 1" cap screws and attach the miter gauge assembly to the miter gauge upright bracket (Fig. 6).

FIG. 7

MOUNTING THE MITE-R-SLIDE ASSEMBLY

7. Using two of the 1/4"-20 x 1-1/4" cap screws and two 1/4" flat washers attach each of the large and small fence clamping brackets (Items 7 & 8 on the parts diagram - page 3) to each end of the shaft using the 3/4" x 1-1/4" tapped mounting blocks. Now position the Mite-R-Slide resting against the Mast-R-Fence (Fig. 7). Position the Mite-R-Slide assembly so the sub-fence on the miter fence backs up to the edge of the table top (Fig. 8) for maximum cross cutting capacity.

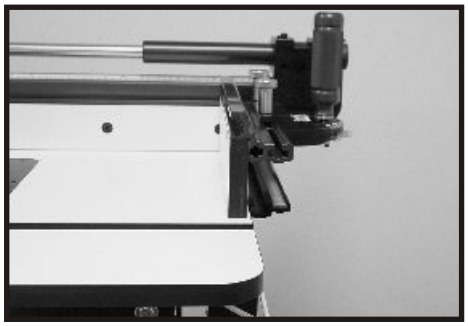


FIG. 8

FIG. 9

8. Using the 1/4"-20 square nuts from the parts bag, slide the square nuts into the two T-slots on the back of the fence. You will need 4 nuts for the large clamping bracket and two nuts for the small bracket on the opposite end of the shaft (Fig. 9).

FIG. 10

9. Align the square nuts with the slots in each of the large and small fence clamping brackets (Fig. 10) - Large bracket shown.

FIG. 11

10-A. Once you have the square nuts aligned, attach the large clamping bracket to the fence with four of the 1/4" - 20 x 1" cap screws, four washers and two spacer blocks (Fig. 11). DO NOT TIGHTEN HARDWARE AS FINE ADJUSTMENTS NEED TO BE MADE.

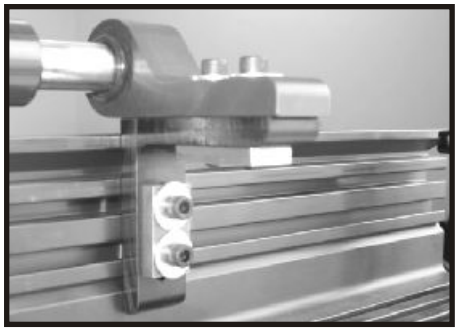


FIG. 12

10-B. As in steps 8 thru 10 use the same hardware to attach the small clamping bracket at the other end of the shaft (Fig. 11). DO NOT TIGHTEN HARDWARE AS FINE ADJUSTMENTS NEED TO BE MADE.

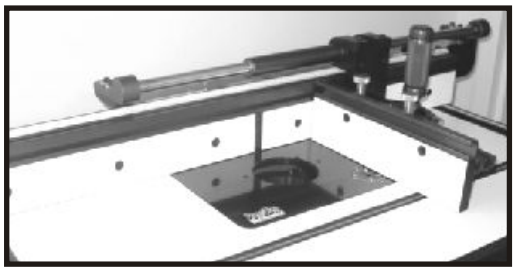


FIG. 13

11. The Mite-R-Slide should now be attached to your Mast-R-Fence with a loose fit (Fig. 13). To begin final adjustments check to make sure the shaft is running parallel to the Mast-R-Fence. You can sight down the length of the fence from above the shaft to see if the shaft is aligned with the fence. Adjust the shaft if necessary and lightly tighten the cap screws on top of each end bracket on the shaft.

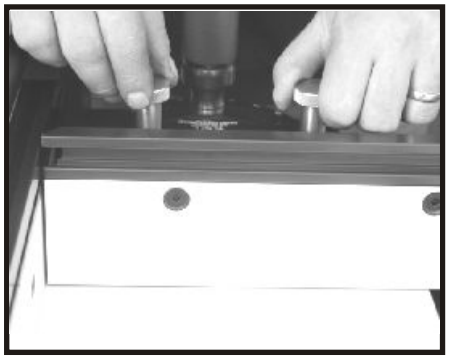


FIG. 14

12. Make sure the miter gauge bracket and the miter fence are not riding against the Mast-R-Fence. There should not be any contact with the face of the Mast-R-Fence. If you need to adjust the miter fence loosen the two brass knobs on the miter gauge and slide the fence over. Re-tighten the knobs when complete (Fig. 14 & 15). If the miter gauge bracket contacts the Mast-R-Fence re-adjust the shaft assembly forward.

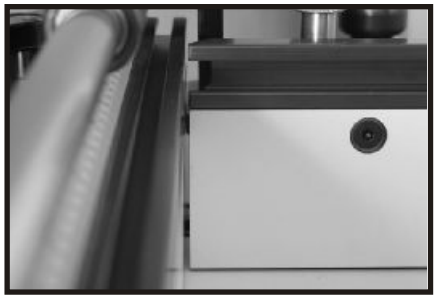


FIG. 15

13. Now adjust the shaft so that it is level from end to end. First make sure the cap screws on the large and small clamping brackets on the back of the fence are loose enough to allow some movement (Fig. 16 shows large bracket). Now slide the miter gauge on the shaft to it's most forward position and snug up the two cap screws on the small fence clamping bracket. Then slide the miter gauge back to it's most rearward position and snug up the four cap screws on the large fence clamping bracket (Fig. 16). Check the slide for a smooth action. If not smooth slightly loosen all cap screws to release any possible torque in the shaft. Re-tighten cap screws and check for a smooth sliding action. If necessary re-check the shaft for parallel and repeat steps 11 thru 13.

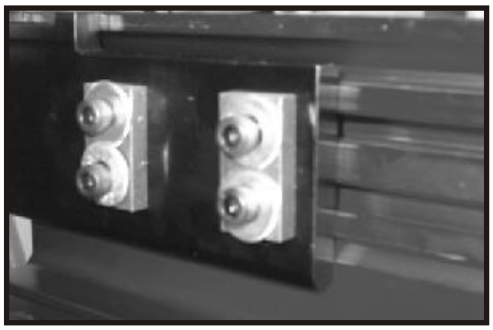


FIG. 16

ADJUSTING THE GAUGE FOR SQUARE

14. Turn the detent switch to the off position (Fig. 17) and loosen the large knurled handle on the miter gauge. With a square, align your Mite-R-Slide Fence so that it is 90 degrees to the Mast-R-Fence and tighten the miter gauge handle to lock the position.

FIG. 17

15. Check your scales on the gauge and the brass detent to see if they are lined up to the zero position. If they are not you will need to zero the scales.

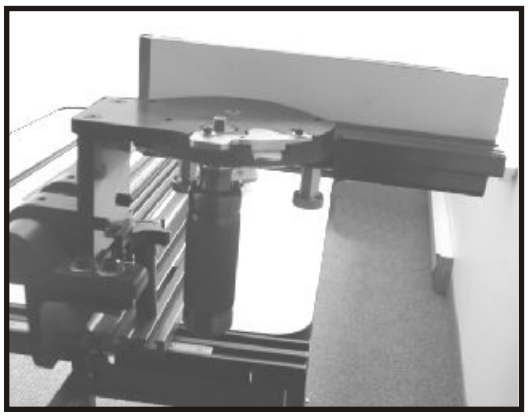


FIG. 18

16. If your gauge is not zeroed roll the miter gauge assembly up over the guide shaft (Fig. 18). There are machined recesses along the top edge of the mounting bracket for the miter gauge to rest in an upside down position when not in use.

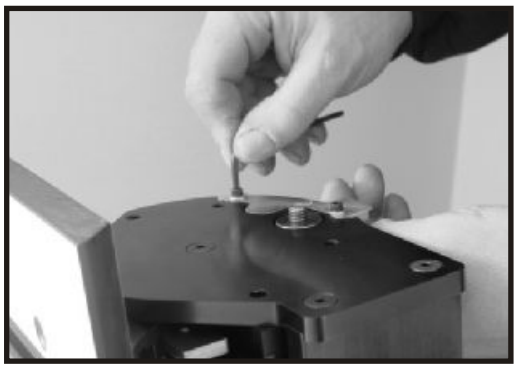


FIG. 19

17. Using a 7/64" hex key, loosen the two cap screws that hold the detent mechanism in place - NOT TOO LOOSE THAT THE SCREWS FALL OUT (Fig. 19).

FIG. 20

18. Flip the miter gauge assembly back to it's upright position and align the zero indicators. Then without moving the scale finger tighten the two cap screws enough to hold the position (Fig. 20).

Then flip the miter gauge upside down again. Using a 7/32" hex key tighten securely the two cap screws. Flip the gauge upright again and check the zero alignment. Repeat if necessary.

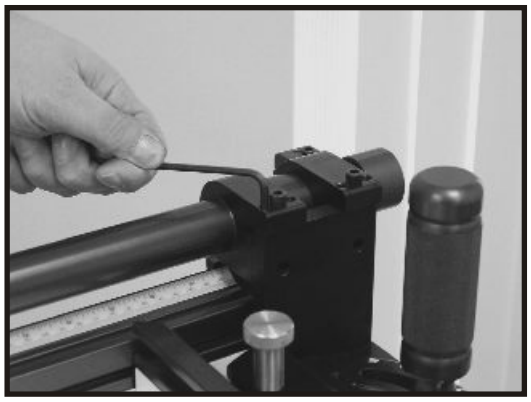


FIG. 21

SQUARING THE FENCE TO THE TABLE TOP

19. The top of the bearing tube bracket on the shaft has tapped holes with a set screw in the outer left and outer right holes. These are used to square the miter fence to the table surface (Fig. 21).

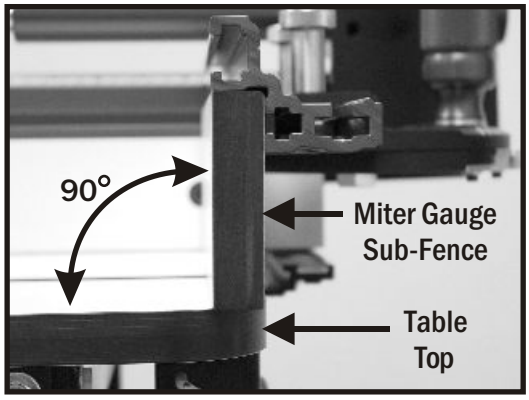
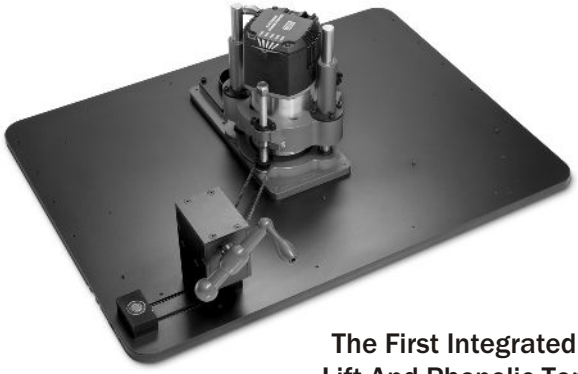


FIG. 22

20. Check to see if the miter fence is square to the table top (Fig. 22). If not you will need to make the following adjustment (Fig. 21). Loosen the two cap screws on the upright miter gauge bracket (Item 26 on the parts diagram page 3). Now loosen the cap screws on both bearing tube brackets (Item 27 on the parts diagram). To tip the fence forward turn the far left set screw until it bottoms out. Then loosen the left cap screw until it torques or 1/4 turn. Then turn the set screw clockwise again until it bottoms out. Check for square and repeat if necessary. When the fence is square, tighten all cap screws again. To tip the fence back - make the same adjustments but adjust the right side set screw instead of the left. Adjust the set screw on the left side bearing tube bracket to tilt forward, adjust the right side to tilt back.

MastRLift Excel



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